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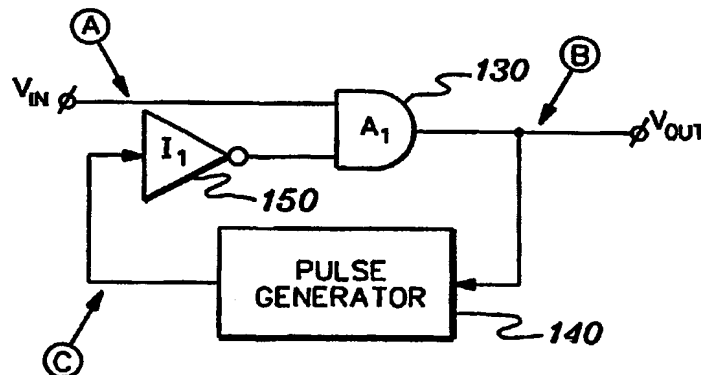
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(54) Title: DIGITAL FILTER CIRCUIT AND METHOD FOR BLOCKING A TRANSMISSION LINE REFLECTION SIGNAL



(57) Abstract: A digital blocking filter (120) and filtering method are provided for a device (100) receiving signals from a transmission line. The transmission line, which may comprise part of a complex bus system, is incompletely terminated, thereby resulting in a reflection signal within the line with transmission of a signal. The digital blocking filter (120) includes a pulse generator (140) for generating a masking pulse timed and of sufficient duration to substantially block at the device (100) the reflection signal, and logic (130) for combining the masking pulse and a received signal from the transmission line, thereby substantially blocking the reflection signal. Circuitry for handling reflection signals of various duration, as well as for substantially blocking a reflection signal on either a falling edge or a rising edge of a state change in the received signal are provided.

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